

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





Cut<sup>6</sup>  
ADP<sup>0</sup>  
Add

Number of Pounds of Dry Matter, Digestible Protein, 4% Milk, and Live Weight of Beef Produced from One Pound of Nitrogen (N), Phosphoric Acid ( $P_2O_5$ ), Potassium ( $K_2O$ ) or Plant Food in Complete Fertilizer

State	Weighted Averages by States and North Central Region																Number of Crops Years Averaged	Type of Vegetation	
	Nitrogen				Phosphoric Acid				Potassium				Plant Food in Complete Fertilizer						
	Dry Matter	Dg. %	Beef	Milk	Dry Matter	Dg. %	Beef	Milk	Dry Matter	Dg. %	Beef	Milk	Dry	Dg. %	Beef	Milk			
Illinois	64.36	3.37	55.03	7.01	4.90	.25	3.59	.55									Annual Report, 1937-1938 Bul. 386	3 4 Grasses & Legumes	
Iowa																	Annual Report, 1941 Bul. 386	1 4 Legumes	
Michigan	10.48	1.18	11.50	1.44	2.74	.45	2.97	.37	3.17	.54	5.53	.94	6.03	76.1	26.61	3.21	26.61	Annual Report, 1941 Bul. 386	1 4 Grasses & Legumes
Missouri	25.92	5.04	30.10	3.77													Annual Report, 1941 Bul. 386	17 2 Grasses & Legumes	
Nebraska	18.61	.97	16.01	2.00													Annual Report, 1941 Bul. 386	2 6 Grasses	
Ohio	21.59	2.89	19.73	2.47	14.34	1.92	13.10	1.64									Annual Report, 1941 Bul. 386	3 9 Legumes	
Wisconsin	18.67	2.23	15.23	1.91													Annual Report, 1941 Bul. 386	4 11 Legumes	
Regional Averages	25.20	2.50	21.69	2.87	34.20	3.53	26.10	3.36	27.00	3.37	24.51	3.06	21.96	2.68	19.40	2.44	Annual Report, 1941 Bul. 386	13 1 Grasses	

Conservation Programs Branch, FPA  
February 1, 1944

MAY 14 1948



Number of Pounds of Dry Matter, Digestible Protein, % Milk and Live Weight of Beef  
Produced from One Pound of Nitrogen (N), Phosphoric Acid (P<sub>2</sub>O<sub>5</sub>), Potassium (K<sub>2</sub>O) or Plant Food in Complete Fertilizer

Weighted Averages by States and Northeast Region

State	Nitrogen			Phosphoric Acid			Potassium			Plant Food in Complete Fertilizer			Source Publication	Type of Vegetation	Number of Crop Years Averaged				
	Dry Matter	Dig. Protein	%	Dry Matter	Dig. Protein	%	Dry Matter	Dig. Protein	%	Dry Matter	Dig. Protein	%							
Connecticut	18.14	2.35	15.11	1.89									Unpublished data; Bul. 209; Amer. Soc. Jour. Agron., V35, No. 9	Grasses	30				
													2.65	Bul. 189 (Stons)	8				
													2.60	Bul. 245	10				
													20.75		Legumes				
															Legumes				
Maine	12.80	2.39	13.29	1.79	2.90	.56	3.36	.42	4.76	.93	5.53	.69	6.25	1.21	7.25	.91	Bul. 397; 405	12	
	27.63	.42	28.79	3.61									8.81	1.35	9.13	1.15	Bul. 405	3	
																	Legumes		
	46.28	8.69	51.06	6.40													Bul. 281	4	
	23.18	2.67	22.00	2.76	8.38	1.17	8.35		1.03	9.83	1.28	9.53	1.19	12.51	1.61	12.06	1.51	Bul. 232; Bul. 306	14
Massachusetts																	Bul. 232	6	
																	Bul. 282	2	
																	Bul. 322	3	
	20.70	4.02	24.06	3.01	7.20	1.40	8.36	1.05	9.40	1.83	10.32	1.37						Legumes	
	14.60	3.16	16.96	4.45	2.52	1.24	2.93	.37	14.66	2.78	17.02	2.13	7.58	2.47	8.80	1.10	Bul. 320	9	
New Hampshire	7.41	2.50	8.60	1.08									7.20	1.60	8.36	1.06	Bul. 320	5	
					3.73	.49	3.15	.40	6.63	.87	5.62	.70					Cir. 57	1	
					6.26	.71	4.92	.62	9.09	1.21	7.46	.93					Cir. 47	2	
	54.90	10.67	63.74	7.99													Extension Cir. 147	5	
	32.67	6.36	37.93	4.76	8.56	1.66	9.35	1.24	16.57	3.08	19.07	2.27					Cir. 56	3	
New Jersey	22.96	4.46	26.65	3.34	16.06	2.92	17.46	2.19	40.58	7.88	47.02	5.89					Cir. 58	4	
	2.34	.46	2.72	.34	13.07	1.36	10.32	1.37	21.66	2.33	17.80	2.18	19.63	2.10	16.04	2.01	Cir. 50	6	
	28.56	3.61	26.62	3.53													Legumes & Grasses	4	
	10.45	1.62	10.82	1.36	6.53	.28	6.94	.86	7.68	1.20	8.03	.23	6.57	1.13	7.18	.90	Bul. 665; Bul. 673	9	
	5.68	1.03	6.48	.81									7.80	1.82	9.06	1.13	Bul. 673	3	
New York	38.46	4.28	44.68	5.59	31.91	6.20	37.06	4.64									Cir. 374	2	
	8.38	.82	8.50	.94	12.61	1.23	11.31	1.42	6.79	.66	6.09	.76	10.41	1.01	9.33	1.17	Bul. 749	3	
	2.50	.13	2.01	.25	21.87	1.14	17.76	2.22	22.70	1.19	16.43	2.51					Bul. 750	2	
					32.62	1.70	26.48	5.32	1.29	.07	.11	.01	4.67	.24	3.71	.46	Bul. 748	2	
																		Legumes	
Pennsylvania	8.75	1.70	9.11	1.18	44.71	8.69	51.90	6.61	11.31	2.21	13.06	1.66	17.53	3.41	20.36	2.66	Bul. 264; Bul. 370	64	
					35.48	6.51	36.87	4.87					27.48	6.34	31.90	4.00	Bul. 423	20	
																	Legumes		
	20.94	1.47	18.97	.38	6.86	.58	6.22	.84	7.45	.52	6.78	.66	1.48	1.03	13.47	1.69	Bul. 270	3	
	6.60	1.28	7.66	.96	22.40	4.36	26.01	3.26					9.30	1.93	11.49	1.44	Bul. 431	3	
Vermont	49.00	9.53	66.89	7.13	7.80	1.52	9.06	1.13	3.50	.68	4.07	.61	12.70	2.47	14.74	1.86	Bul. 403	3	
	12.50	2.43	14.61	1.82									9.90	1.93	11.49	1.44	Bul. 494	4	
																	Legumes		
	23.39	3.54	22.06	2.76													Grasses	35	
																	Legumes	8	
Regional Averages			13.10	1.64			26.70	5.34			23.96	3.00			20.75	2.80		Legumes	10
			11.98				12.57											Legumes	12
	11.82	1.97	12.51	1.70	30.34	5.46	34.13	4.28	9.77	1.79	11.11	1.33	13.60	2.58	15.65	1.89		Legumes	111
	12.45	1.77	13.79	1.73									8.36	1.68	9.50	1.13		Legumes	15
	46.26	8.69	51.06	6.40														Legumes	4
	7.53	1.46	8.74	1.10	11.67	2.27	13.55	1.70	27.22	5.29	31.56	3.96					Legumes & Grasses	7	
					3.73	.49	3.16	.40	6.63	.67	5.62	.70					Legumes & Grasses	1	
					6.26	.71	4.92	.62									Legumes & Grasses	2	
																	Legumes	6	
										9.09	1.21	7.46	.93			9.50	1.59	Legumes & Grasses	6
	32.67	6.36	37.93	4.76	8.56	1.66	9.35	1.24	16.57	3.03	19.07	2.27					Legumes & Grasses	5	
	22.96	4.46	26.65	3.34													Legumes & Grasses	5	
	26.18	2.81	20.51	2.53	12.92	1.32	11.06	1.40	16.70	1.66	13.90	1.71	16.56	1.74	13.80	1.73	Legumes & Grasses	9	
	38.48	4.28	44.68	5.59	31.91	6.20	37.06	4.64									Grasses	2	
					21.87	1.14	17.76	2.22	22.70	1.19	16.43	2.51					Legumes	2	
					46.96	8.94	53.36	6.66	18.38	3.57	21.34	2.67	22.24	4.32	25.82	3.23		Legumes	20
																		Legumes	64
																		Legumes	20
																		Legumes	20
																		Legumes	20
Regional Average	6.60	1.28	7.66	.96	22.40	4.36	26.01	3.26					9.30	1.93	11.49	1.44		Legumes	3
	24.30	1.96	14.81	2.42	32.40	5.48	32.06	4.12	12.60	2.15	14.16	1.66	15.84	2.89	17.84	2.22		Legumes	1